

Brooks McCall PowerPoint Bullets for 6/19/2010
Operational Period: 6/18/2010 Sampling Period

- Proposed sampling 5km N and NW of the Discovery Enterprise was abandoned due to high VOC readings at the north station, and heavy vessel traffic and surface oiling in the north-northwest quadrant. The sampling strategy for the day aimed to compliment sampling activities undertaken by the *Cape Hatteras*, sampling the area stretching between the well head and the location of the *Cape Hatteras*.
- The CTD array data showed no significant fluorescence signals at any of the four stations sampled on 6/18/10. Slight decreases in D.O. were observed at various depths at all four stations despite the lack of identifiable subsurface oil.
- The daily summary from the Brooks McCall surmised that the decrease in D.O. was noted at locations where the subsurface plume formerly existed, and that the decrease in dissolved oxygen may reflect the biological response from oil-degrading bacteria in the absence of a concentrated oil plume being present.